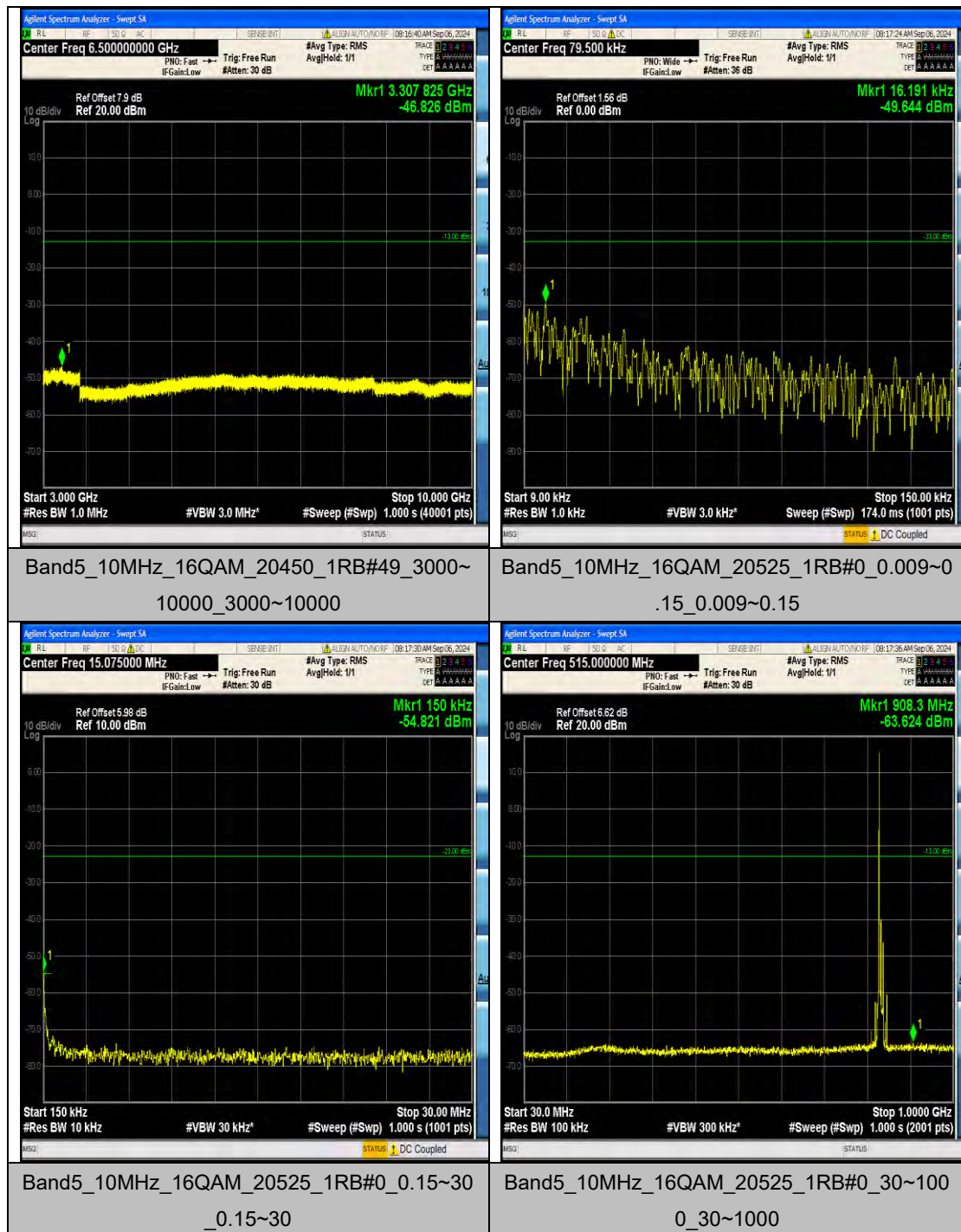
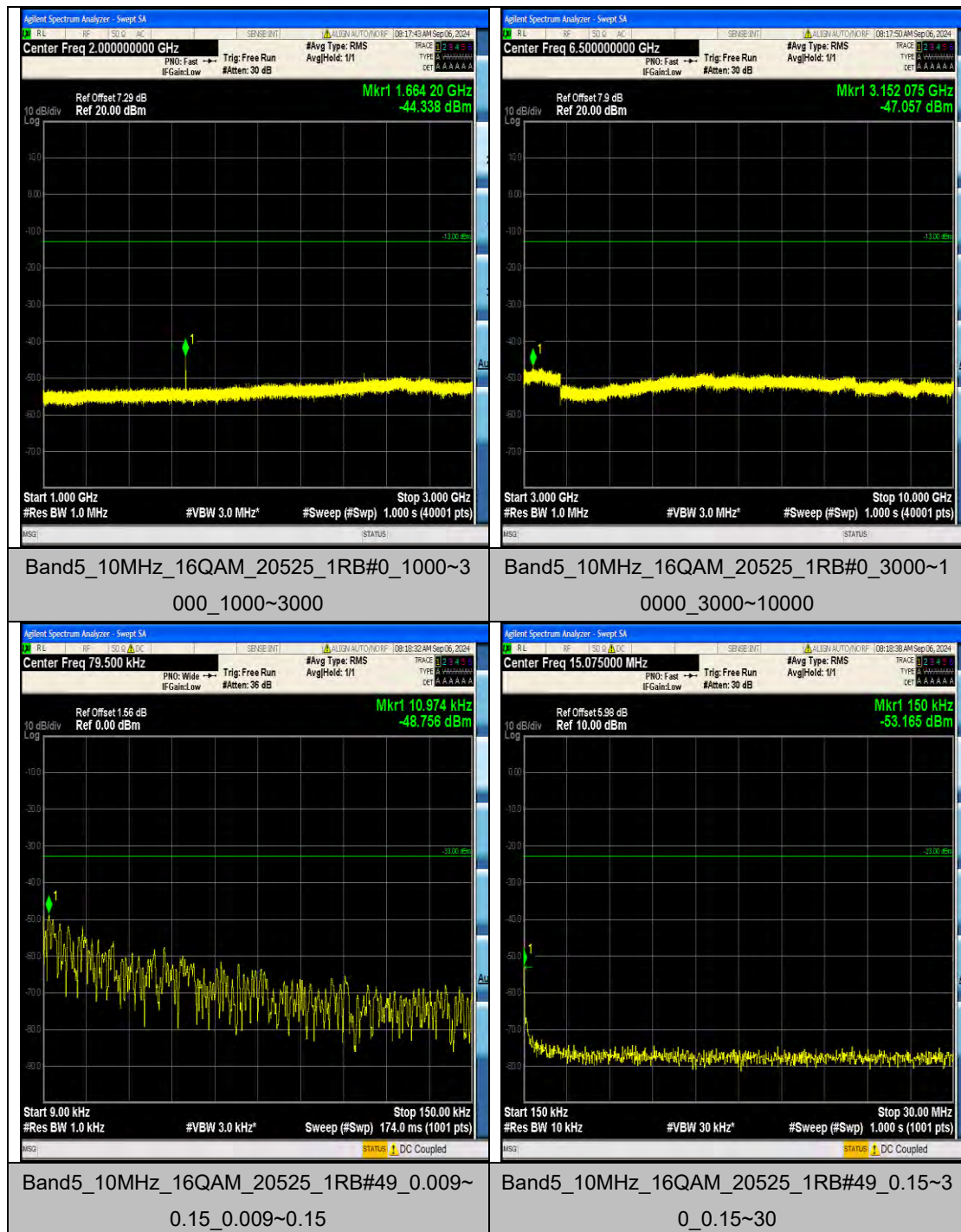
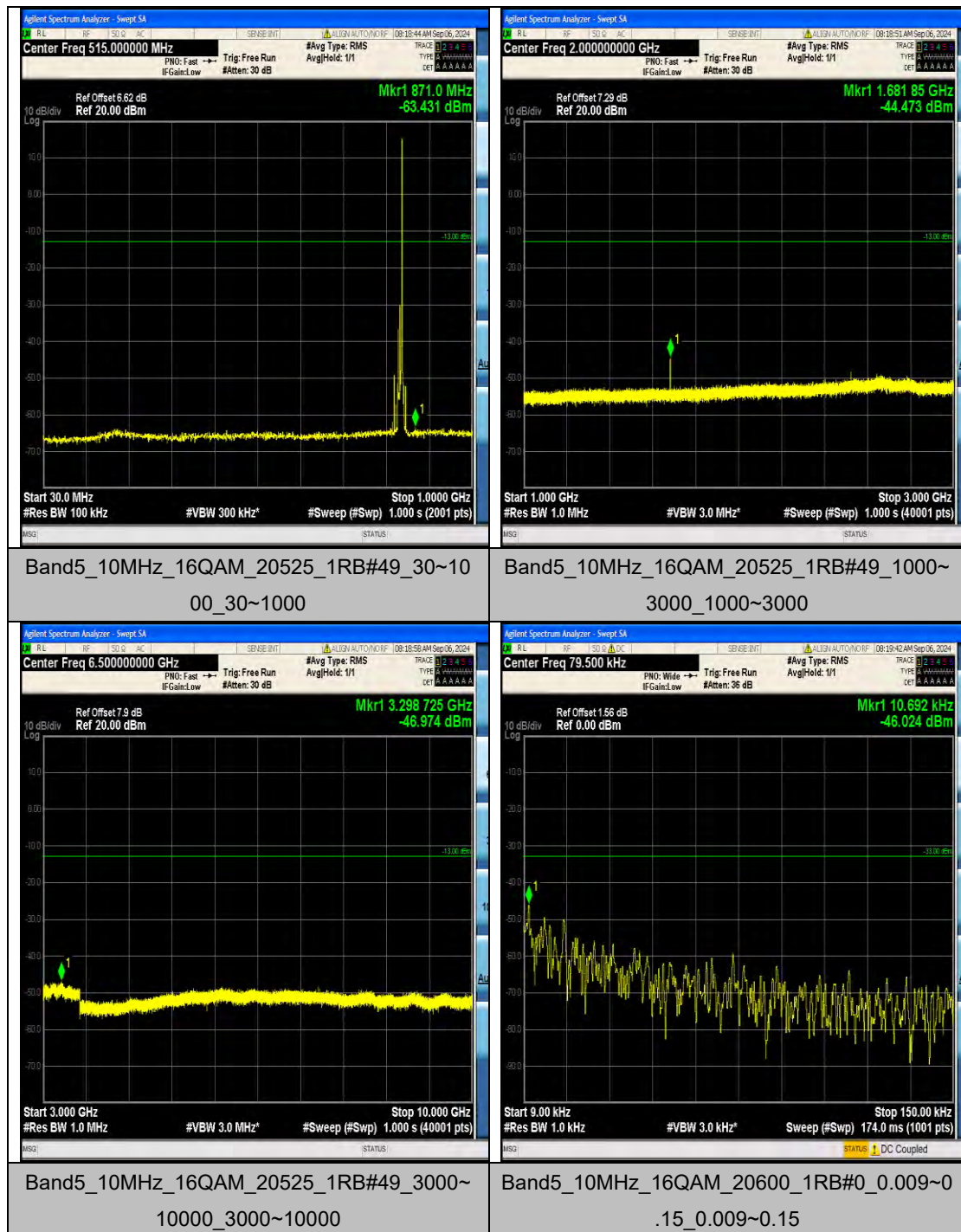
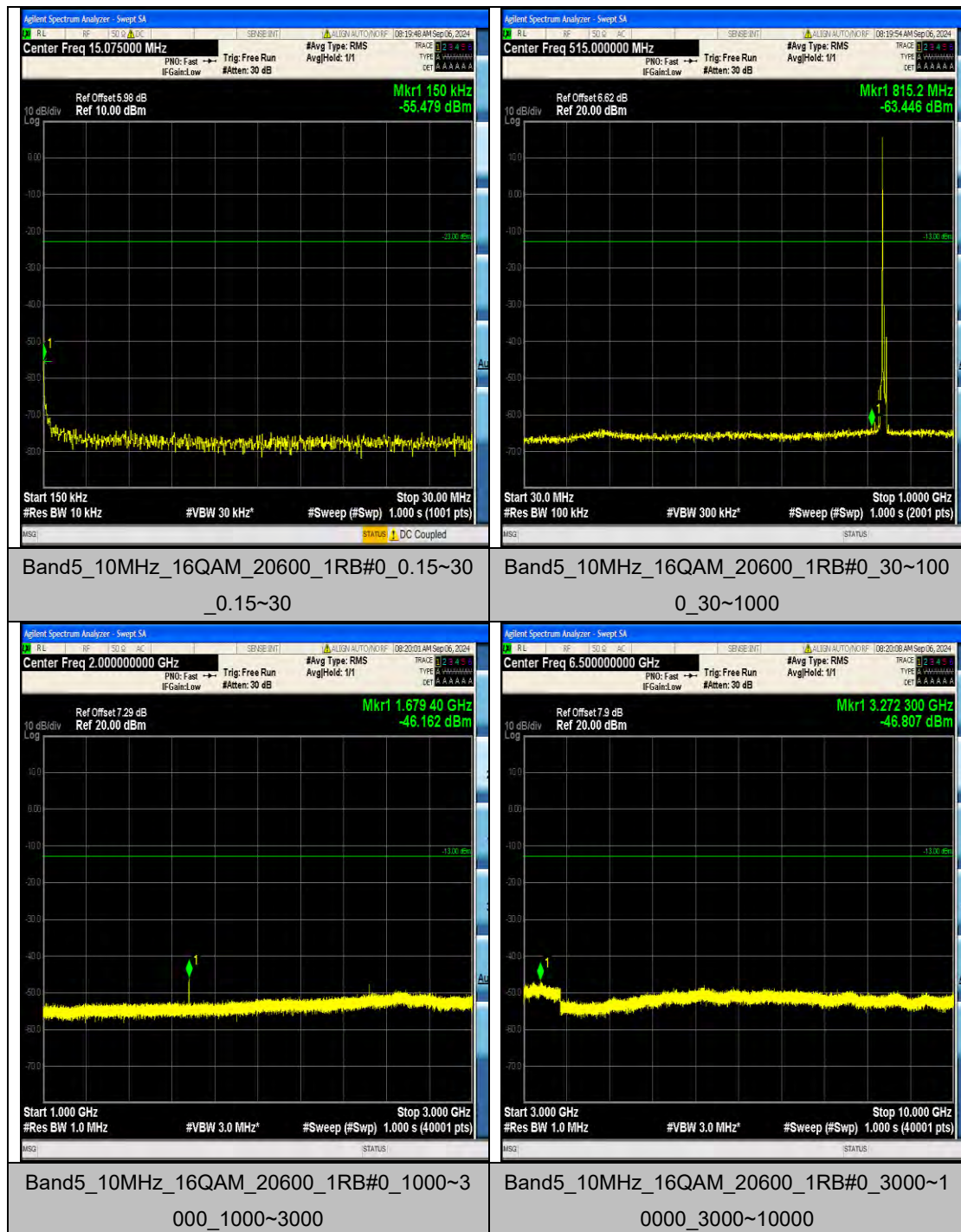
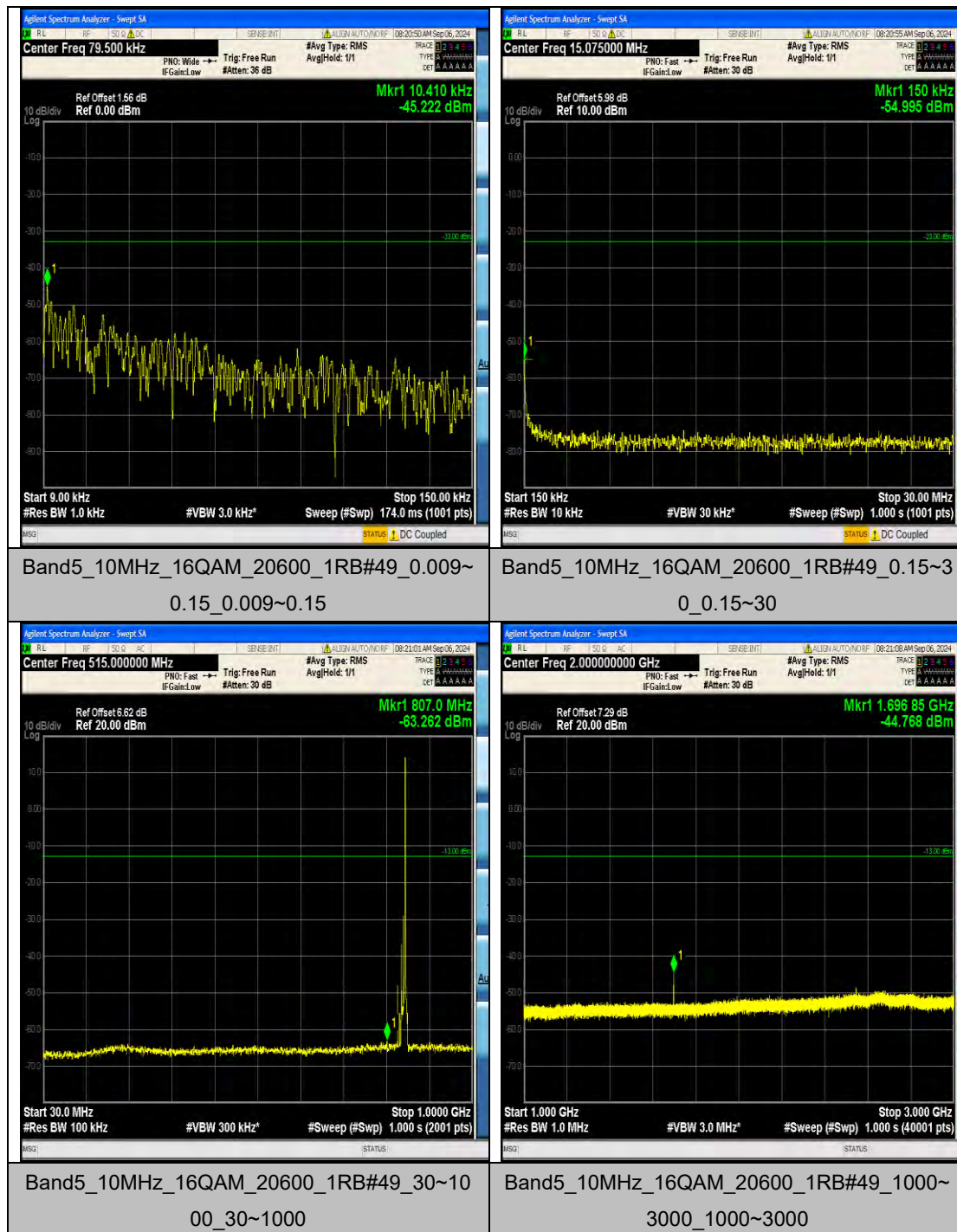


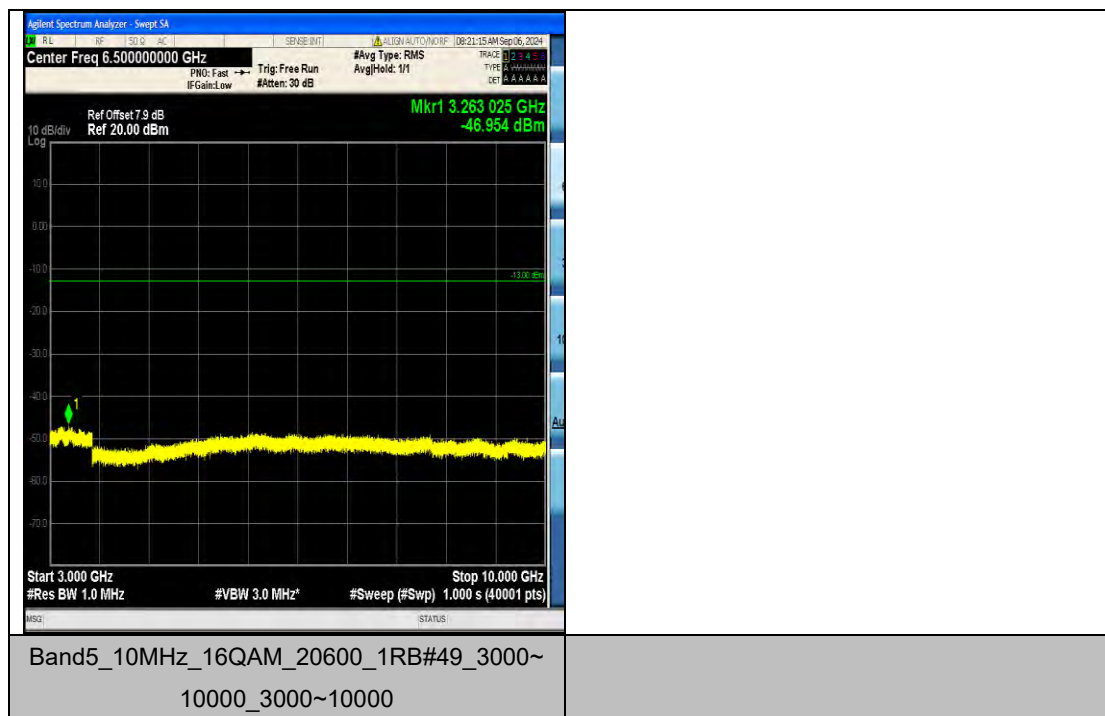












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-5.48	-0.006645	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-4.73	-0.005735	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	-5.59	-0.006778	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-3.16	-0.003832	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-3.83	-0.004644	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-6.48	-0.007857	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	-3.35	-0.004062	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-2.95	-0.003577	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	-4.98	-0.006039	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	18.07	0.021602	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-6.48	-0.007747	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	-5.51	-0.006587	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-5.08	-0.006073	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-2.22	-0.002654	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-3.92	-0.004686	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-4.79	-0.005726	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	-3.69	-0.004411	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-3.59	-0.004292	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	21.77	0.025663	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	18.74	0.022091	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	16.31	0.019227	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	9.86	0.011623	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	8.25	0.009725	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	6.68	0.007875	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	3.73	0.004397	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-3.23	-0.003808	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-1.72	-0.002028	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-3.55	-0.004305	±2.5	PASS

Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-2.75	-0.003335	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	-2.22	-0.002692	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	2.69	0.003262	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-4.36	-0.005287	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-4.36	-0.005287	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	-5.11	-0.006196	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	-2.42	-0.002934	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	-1.63	-0.001976	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-5.32	-0.006360	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	-2.05	-0.002451	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	-4.61	-0.005511	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-1.56	-0.001865	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-3.58	-0.004280	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-3.19	-0.003814	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-4.13	-0.004937	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-4.08	-0.004877	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	-5.01	-0.005989	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-2.95	-0.003478	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-2.96	-0.003489	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-4.29	-0.005057	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-4.36	-0.005140	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-3.48	-0.004102	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-3.25	-0.003831	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-4.61	-0.005434	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-2.33	-0.002747	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-3.50	-0.004126	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	5.39	0.006529	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	4.03	0.004882	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	4.71	0.005706	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	5.58	0.006760	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	5.09	0.006166	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	5.66	0.006856	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	7.02	0.008504	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	4.71	0.005706	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	2.15	0.002604	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	2.33	0.002785	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	2.47	0.002953	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	-1.63	-0.001949	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	4.68	0.005595	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	4.05	0.004842	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	4.62	0.005523	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	4.13	0.004937	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	3.85	0.004603	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	2.56	0.003060	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	1.62	0.001912	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	2.50	0.002950	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	-2.50	-0.002950	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-2.03	-0.002395	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	2.37	0.002796	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-2.03	-0.002395	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	-2.95	-0.003481	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	-3.62	-0.004271	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	2.96	0.003493	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	2.63	0.003186	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	3.25	0.003937	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	2.53	0.003065	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	2.29	0.002774	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	2.76	0.003343	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	4.43	0.005366	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	1.97	0.002386	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	3.46	0.004191	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	5.08	0.006154	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	3.68	0.004399	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	2.25	0.002690	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	2.65	0.003168	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	3.16	0.003778	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	3.78	0.004519	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	3.83	0.004579	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	4.72	0.005643	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	3.09	0.003694	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	4.16	0.004973	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	1.75	0.002065	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	1.76	0.002077	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	2.29	0.002702	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	2.40	0.002832	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	2.10	0.002478	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-2.25	-0.002655	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	2.46	0.002903	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	2.36	0.002785	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	2.50	0.002950	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-1.46	-0.001766	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	2.13	0.002577	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	-1.60	-0.001936	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-2.06	-0.002492	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	-1.72	-0.002081	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	2.75	0.003327	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	-2.23	-0.002698	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	1.29	0.001561	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	2.00	0.002420	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	3.71	0.004435	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	2.17	0.002594	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	3.49	0.004172	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	27.45	0.032815	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	4.29	0.005129	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	3.13	0.003742	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	3.58	0.004280	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	3.60	0.004304	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	3.55	0.004244	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	2.65	0.003131	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	1.62	0.001914	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	2.17	0.002563	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	3.38	0.003993	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-1.60	-0.001890	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	1.62	0.001914	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	3.13	0.003698	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	3.81	0.004501	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	4.33	0.005115	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	2.53	0.003061	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	4.46	0.005396	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	2.68	0.003243	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	4.35	0.005263	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	5.21	0.006304	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-6.98	-0.008445	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	4.78	0.005783	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	3.78	0.004574	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	3.45	0.004174	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	1.80	0.002152	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	2.73	0.003264	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	3.78	0.004519	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	2.19	0.002618	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	3.93	0.004698	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	3.53	0.004220	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	-2.65	-0.003168	±2.5	PASS

Band5	5MHz	16QAM	20525	25RB#0	NV	40	3.16	0.003778	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	1.99	0.002379	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	2.76	0.003260	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	2.26	0.002670	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	3.30	0.003898	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	3.10	0.003662	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	4.48	0.005292	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	4.33	0.005115	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	5.26	0.006214	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	5.41	0.006391	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	3.78	0.004465	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	3.50	0.004222	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	2.59	0.003124	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	1.40	0.001689	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	1.60	0.001930	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-2.72	-0.003281	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	1.96	0.002364	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	1.76	0.002123	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-1.27	-0.001532	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	2.99	0.003607	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	2.05	0.002451	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	3.20	0.003825	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	3.09	0.003694	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	3.10	0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.77	-0.002116	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-3.49	-0.004172	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.15	-0.002570	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	1.79	0.002140	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-3.35	-0.004005	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-3.52	-0.004171	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	2.03	0.002405	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	4.02	0.004763	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	1.59	0.001884	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	2.50	0.002962	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	4.12	0.004882	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	2.57	0.003045	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	1.87	0.002216	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	2.68	0.003175	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	PASS
Band5	3MHz	QPSK	20415	15RB#0	PASS
Band5	3MHz	QPSK	20525	15RB#0	PASS
Band5	3MHz	QPSK	20635	15RB#0	PASS
Band5	3MHz	16QAM	20415	15RB#0	PASS
Band5	3MHz	16QAM	20525	15RB#0	PASS
Band5	3MHz	16QAM	20635	15RB#0	PASS
Band5	5MHz	QPSK	20425	25RB#0	PASS
Band5	5MHz	QPSK	20525	25RB#0	PASS
Band5	5MHz	QPSK	20625	25RB#0	PASS
Band5	5MHz	16QAM	20425	25RB#0	PASS
Band5	5MHz	16QAM	20525	25RB#0	PASS
Band5	5MHz	16QAM	20625	25RB#0	PASS
Band5	10MHz	QPSK	20450	50RB#0	PASS
Band5	10MHz	QPSK	20525	50RB#0	PASS
Band5	10MHz	QPSK	20600	50RB#0	PASS
Band5	10MHz	16QAM	20450	1RB#0	PASS
Band5	10MHz	16QAM	20525	1RB#0	PASS
Band5	10MHz	16QAM	20600	1RB#0	PASS

Test Graphs

